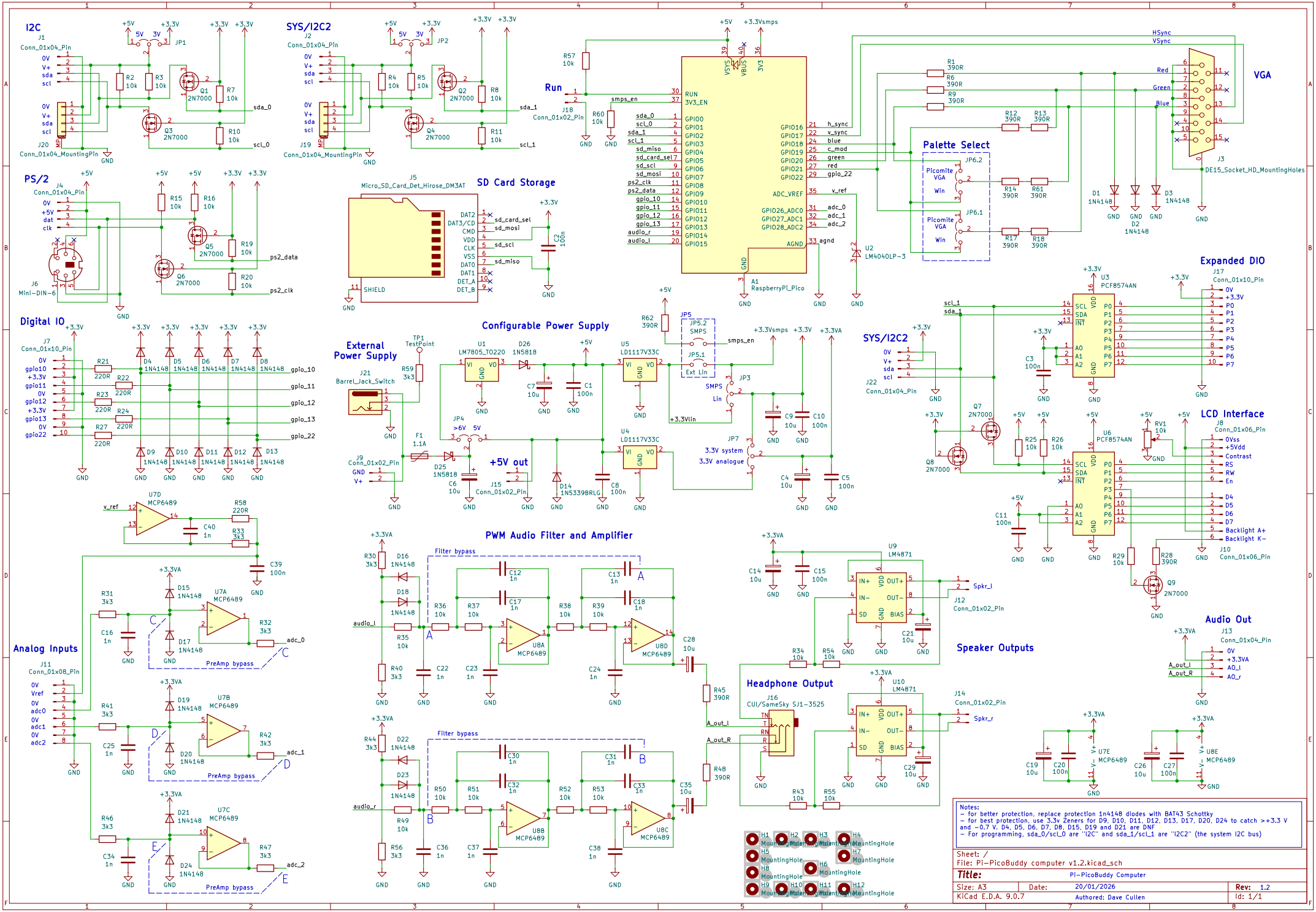
I2C
SYS/I2C2
Run
VGA
Palette Select
PS/2
SD Card Storage
Expanded DIO
Digital IO
Configurable Power Supply
External Power Supply
LCD Interface
PWM Audio Filter and Amplifier
Analog Inputs
Speaker Outputs
Headphone Output
Audio Out
Notes:
– for better protection, replace protection 1n4148 diodes with BAT43 Schottky
– for best protection, use 3.3v Zeners for D9, D10, D11, D12, D13, D17, D20, D24 to catch >+3.3 V and −0.7 V. D4, D5, D6, D7, D8, D15, D19 and D21 are DNF
– For programming, sda_0/scl_0 are "I2C" and sda_1/scl_1 are "I2C2" (the system I2C bus)
Sheet: /
File: Pi-PicoBuddy computer v1.2.kicad_sch
Title: Pi-PicoBuddy Computer
Size: A3
Date: 20/01/2026
Rev: 1.2
KiCad E.D.A. 9.0.7
Authored: Dave Cullen
Id: 1/1